Editorial Index for Volume 13 1981

INDEX OF ARTICLES

Aberdeen Tunnel, Ventilating Hong Kong's new ... Dec 52
Anchors, Cementitious rock bolt cartridge for ... May 65
Articulated wheel loaders, Update for ... Mar 49
Australian machine cuts rock splitting time ... Mar 58
Beacon Hill Tunnel speeds Hong Kong to China rail traffic, New ... Nov 56
Blast vibrations at Dinorwic, A study of ... Part 1 Jul 35
Part 2 Sep 61
Blasting at Dinorwic, Drilling and ... Jun 15
Blasting, Magnadet for safe and simple tunnel ... Mar 45
Bored tunnelling for the Caracas Metro ... Part 1 Jul 13
Part 2 Dec 40
Brazilian water tunnels, Ground control techniques compared in three ... Part 1 Oct 11
Part 2 Nov 52
Part 3 Dec 48
British made mini-excavator ... Jul 46
British rail joins up with ECTG ... Nov 46
British standards and codes of practice in civil engineering ... Jul 53
Caracas Metro, Bored tunnelling for the ... Part 1 Jul 13
Part 2 Dec 40
Cascade ventilation system saves energy in vehicular tunnels ... Oct 53
Cavern excavation at Dinorwic, Engineering aspects of underground ... Apr 20
Caverns, Construction and economics of unlined oil ... Oct 27
Caverns in weak rock, Vertical pattern for petrolium storage ... Jun 11
Caves for the safe long-term storage of nuclear wastes ... Dec 13
Cement and concrete, In search of stronger ... Dec 53
Cementitious rock bolt cartridge for anchors ... May 65
Channel Tunnel, Blueprint for ... Mar 43
Channel Tunnel—British Rail joins up with ECTG ... Nov 46
Channel Tunnel, New proposals from Anglo ... Dec 22
Channel Tunnel one step closer ... Oct 18
Computer control comes to hard rock drilling ... May 12
Concrete lining of the Kielder water tunnels ... Nov 21
Construction of road tunnels in Switzerland ... Dec 26
Contracts, The Engineer in civil engineering ... Oct 14
Cuilfail Tunnel completes Lewes by-pass ... Jan 69
Difficult times for UK construction firms ... Mar 69
Dinorwic, Engineering aspects of underground cavern excavation at
Part 1: Geology at Dinorwic ... Apr 20
Part 2: Drilling & Blasting ... Jun 15
Part 3: A study of blast vibrations ... Part 1 Jul 35
Part 4: A study of blast vibrations ... Part 2 Sep 61
Dinorwic, Shaft sinking at (BTS) ... May 54
Dinorwic's hydraulic tunnels, Formwork for ... Nov 39
Double-decker plan for Hong Kong tunnel ... Sep 48
Drifts and shafts at Selby ... Sep 42
Drilling & Blasting ... Jun 15
Duisburg metro, Gap freezing solves groundwater problem for ... Dec 31
Dusseldorf plays host to mining show and Tunnelbau '81 ... Jun 56
Earthworm system will threaten conventional tunnel jacking ... Apr 29
Economics of unlined oil caverns, Construction and ... Oct 27
ECTG, British Rail joins up with (Channel Tunnel) ... Nov 46
Electronic controls cut US tunnel contractor's maintenance costs ... Nov 59
Energy in vehicular tunnels, Cascade ventilation system saves ... Oct 53
Engineer in civil engineering contracts, The ... Oct 14
Falkirk High Tunnel, Scotland, Partial re-lining of ... Dec 37
Ford Brook Improvement Scheme (BTS) ... Jul 55
Forepoling technique saves river tunnel ... Dec 52
Formwork for Dinorwic's hydraulic tunnels ... Nov 39
Freezing cools Helsinki metro drive, Horizontal ... Sep 32
Freezing to save historic buildings, Oslo rail tunnel turns to ... Jun 26
French pre-cutter, Introducing the ... Jun 33
French sewer tunnel, Japanese TBM drives ... Sep 27
Gap freezing solves groundwater problem for Duisburg Metro ... Dec 31
Geology at Dinorwic ... April 20
German tunnellers, Low cover challenge met by ... Jan 32
Ground control techniques compared in three Brazilian water tunnels ... Part 1 Oct 11
Part 2 Nov 52
Part 3 Dec 48
Ground freezing aids Swiss tunnel construction ... Apr 52
Grouting and the NATM, Oriental support for ... Dec 17
Grouts, Bespoke factory-blended ... Mar 60
Guadalajara, Tunnel eases traffic flow in ancient ... Oct 44
Hard rock drilling, Computer control comes to ... May 12
Harding Prize Competition, High standard achieved in ... Sep 11
Heat storage, Underground ... Mar 17
Helsinki metro drive, Horizontal freezing cools ... Sep 32
Himalayan hydroelectric scheme challenges Indian tunnellers ... Jan 48
Hong Kong mass transit railway tunnels (BTS) ... Jan 63
Hong Kong to China rail traffic, New Beacon Hill Tunnel ... Nov 56
Hong Kong tunnel, Double decker plan for ... Sep 48
Hong Kong's new Aberdeen tunnel, Ventilating ... Dec 52
Horizontal freezing cools Helsinki metro drive ... Sept 32
Hydraulic jumbos prove themselves on first stage of Paute project ... May 22
Hydraulics the key to roadheader success ... Mar 69
Immersed tube tunnel may be built in Norway, First suspended ... Sep 38
Immersed tubes, World list of ... Sep 17
India's Giri-Bata Tunnel, Overcoming squeezing pressures in ... Apr 11
Indian tunnellers, Himalayan hydroelectric scheme challenges ... Jan 48
Indian tunnelling technique, Sandbags counter squeezing pressures in novel ... Jun 35
Irish sewer problem, Mini Tunnel solves ... Jan 56
Italian motorway boasts 29km of tunnels in 18km of dual highway ... Mar 38
Jacking walls, Three-dimensional passive analysis for ... Mar 13
Japan: a new sun rises upon the underground horizon ... Mar 20
Japan, Introducing the Tele-Mole, an innovation from ... Mar 26
Japan, Sewer boring at Sagami ... May 40
Japanese contractor forges ahead ... Nov 34
Japanese slurry tunnellers beat adverse conditions—above and below ... Apr 40
Japanese TBM drives French sewer tunnel ... Sep 27
Japanese tray-lift conveyor gives muck a swift rise ... May 48
Jets aid TBMs, High pressure water ... Jan 21
Kielder water tunnels, Concrete lining of the ... Nov 21
King's Cross passenger interchange (BTS) ... Mar 57
Kuriyama traffic problems, 'Sliding Armour' shield solves ... Jun 44
Laser beam deflector sends tunnel round the bend, Precision ... May 45
Laser line-up beams tunnels on course ... Oct 60
Lewes by-pass, Cuilfail Tunnel completes ... Jan 69
Lewes Road Tunnel (BTS) ... Jun 65
Lining of the Kielder water tunnels, Concrete ... Nov 21
Lining reduces cost of hydroelectric scheme pressure tunnels, Pvc + polypropylene ... Jul 29
Loaders, Update for articulated wheel ... Mar 49
London rail tunnel proposed, Major cross ... Jan 10
Low cost road tunnels, Norway drives for ... Oct 35
Low cover challenge met by German tunnellers ... Jan 32
Low profile trucks keep underground costs down ... Jul 21
Magnadet for safe and simple tunnel blasting ... Mar 45
Maintenance and repair of underground structures (ITA) ... Jan 61
Malawi—Driving a 9m diameter power conduit with low cover at Nkula Falls ... Jul 23
Mass transit railway tunnels, Hong Kong ... Jan 63
Mechanical splices improve safety ... Jul 53
Megget water tunnel, Construction of the ... Apr 63
Mini-excavator, British made ... Jul 46
Mini Tunnel solves Irish sewer problem ... Jan 56
Money's there—ask for it now, The ... Oct 14
Muck a swift rise, Japanese tray-lift conveyor gives ... May 48
Munich Metro construction, One minute pile driver speeds ... Jan 42
NATM into perspective, Putting the ... Nov 13
NATM, Oriental support for grouting and the ... Dec 17
Nice work (ITA) ... Jul 51
Nkula Falls, Malawi—Driving a 9m diameter power conduit with low cover at ... Jul 23
Norway drives for low cost road tunnels ... Oct 35
Nuclear wastes, Caves for the safe long-term storage of ... Dec 13
Oriental support for grouting and the NATM ... Dec 17
Oslo rail tunnel turns to freezing to save historic buildings ... Jun 26
Oxford trunk outfall foul sewer (BTS) ... Mar 57
Paute project, Hydraulic jumbos prove themselves on first stage of ... May 22
Pipe jack whilst trains keep running ... Sep 38
Pressure to solve Sidcup's floodwater problem, Putting on the ... Apr 46
Rail tunnel proposed, Major cross London ... Jan 10
Re-lining of Falkirk High Tunnel, Scotland, Partial ... Dec 37
Repair of underground structures, Maintenance and (ITA) ... Jan 61
RETC: San Francisco venue for major US tunnelling conference ... Apr 16
River tunnel, Forepoling technique saves ... Dec 52
Roadheader success, Hydraulics the key to ... Mar 69
Roadheader, UK gets medium duty ... Jun 66
Roadheaders, A strata strength index for boom type ... Mar 52
Roadheaders and TBMs, Ventilation cassette for ... Dec 53
Rock bolt cartridge for anchors, Cementitious ... May 65
Rock mechanics—from research to application ... Oct 16
Rock splitting time, Australian machine cuts ... Mar 58
Roundhill to Gigmill Tunnel (BTS) ... Jul 56
Safety, mechanical splices improve ... Jul 53
Safety through the St Gotthard Tunnel ... Jan 38
Sagami Japan, Sewer boring at ... May 40
San Francisco venue for major US tunnelling conference (RETC) ... Apr 16
Selby, Drifts and shafts at ... Sep 42
Sewer boring at Sagami, Japan ... May 40
Sewer improvements, Smith St (BTS) ... Mar 57
Sewer, Oxford trunk outfall foul (BTS) ... Mar 57
Sewer tunnel, Japanese TBM drives French ... Sep 27
Sewerage '81 ... Sep 65
Shaft sinking at Dinorwic (BTS) ... May 54
Shield is a success in Tokyo, Giant size slurry ... Jan 13
Shield solves Kuriyama traffic problems, 'Sliding Armour' ... Jun 44
Siberian railway, Tunnels form vital link in 3145km ... Apr 59
Sidcup's floodwater problem, Putting on the pressure to solve ... Apr 46
Slurry shield is a success in Tokyo, Giant size ... Jan 13
Smith Street sewer improvements (BTS) ... Mar 57
Soil mechanics, Stockholm studies ... Sep 65

Editorial Index for Volume 13 1981

INDEX OF ARTICLES

Aberdeen Tunnel, Ventilating Hong Kong's new ... Dec 52
Anchors, Cementitious rock bolt cartridge for ... May 65
Articulated wheel loaders, Update for ... Mar 49
Australian machine cuts rock splitting time ... Mar 58
Beacon Hill Tunnel speeds Hong Kong to China rail traffic, New ... Nov 56
Blast vibrations at Dinorwic, A study of ... Part 1 Jul 35
Part 2 Sep 61
Blasting at Dinorwic, Drilling and ... Jun 15
Blasting, Magnadet for safe and simple tunnel ... Mar 45
Bored tunnelling for the Caracas Metro ... Part 1 Jul 13
Part 2 Dec 40
Brazilian water tunnels, Ground control techniques compared in three ... Part 1 Oct 11
Part 2 Nov 52
Part 3 Dec 48
British made mini-excavator ... Jul 46
British rail joins up with ECTG ... Nov 46
British standards and codes of practice in civil engineering ... Jul 53
Caracas Metro, Bored tunnelling for the ... Part 1 Jul 13
Part 2 Dec 40
Cascade ventilation system saves energy in vehicular tunnels ... Oct 53
Cavern excavation at Dinorwic, Engineering aspects of underground ... Apr 20
Caverns, Construction and economics of unlined oil ... Oct 27
Caverns in weak rock, Vertical pattern for petrolium storage ... Jun 11
Caves for the safe long-term storage of nuclear wastes ... Dec 13
Cement and concrete, In search of stronger ... Dec 53
Cementitious rock bolt cartridge for anchors ... May 65
Channel Tunnel, Blueprint for ... Mar 43
Channel Tunnel—British Rail joins up with ECTG ... Nov 46
Channel Tunnel, New proposals from Anglo ... Dec 22
Channel Tunnel one step closer ... Oct 18
Computer control comes to hard rock drilling ... May 12
Concrete lining of the Kielder water tunnels ... Nov 21
Construction of road tunnels in Switzerland ... Dec 26
Contracts, The Engineer in civil engineering ... Oct 14
Cuilfail Tunnel completes Lewes by-pass ... Jan 69
Difficult times for UK construction firms ... Mar 69
Dinorwic, Engineering aspects of underground cavern excavation at
Part 1: Geology at Dinorwic ... Apr 20
Part 2: Drilling & Blasting ... Jun 15
Part 3: A study of blast vibrations ... Part 1 Jul 35
Part 4: A study of blast vibrations ... Part 2 Sep 61
Dinorwic, Shaft sinking at (BTS) ... May 54
Dinorwic's hydraulic tunnels, Formwork for ... Nov 39
Double-decker plan for Hong Kong tunnel ... Sep 48
Drifts and shafts at Selby ... Sep 42
Drilling & Blasting ... Jun 15
Duisburg metro, Gap freezing solves groundwater problem for ... Dec 31
Dusseldorf plays host to mining show and Tunnelbau '81 ... Jun 56
Earthworm system will threaten conventional tunnel jacking ... Apr 29
Economics of unlined oil caverns, Construction and ... Oct 27
ECTG, British Rail joins up with (Channel Tunnel) ... Nov 46
Electronic controls cut US tunnel contractor's maintenance costs ... Nov 59
Energy in vehicular tunnels, Cascade ventilation system saves ... Oct 53
Engineer in civil engineering contracts, The ... Oct 14
Falkirk High Tunnel, Scotland, Partial re-lining of ... Dec 37
Ford Brook Improvement Scheme (BTS) ... Jul 55
Forepoling technique saves river tunnel ... Dec 52
Formwork for Dinorwic's hydraulic tunnels ... Nov 39
Freezing cools Helsinki metro drive, Horizontal ... Sep 32
Freezing to save historic buildings, Oslo rail tunnel turns to ... Jun 26
French pre-cutter, Introducing the ... Jun 33
French sewer tunnel, Japanese TBM drives ... Sep 27
Gap freezing solves groundwater problem for Duisburg Metro ... Dec 31
Geology at Dinorwic ... April 20
German tunnellers, Low cover challenge met by ... Jan 32
Ground control techniques compared in three Brazilian water tunnels ... Part 1 Oct 11
Part 2 Nov 52
Part 3 Dec 48
Ground freezing aids Swiss tunnel construction ... Apr 52
Grouting and the NATM, Oriental support for ... Dec 17
Grouts, Bespoke factory-blended ... Mar 60
Guadalajara, Tunnel eases traffic flow in ancient ... Oct 44
Hard rock drilling, Computer control comes to ... May 12
Harding Prize Competition, High standard achieved in ... Sep 11
Heat storage, Underground ... Mar 17
Helsinki metro drive, Horizontal freezing cools ... Sep 32
Himalayan hydroelectric scheme challenges Indian tunnellers ... Jan 48
Hong Kong mass transit railway tunnels (BTS) ... Jan 63
Hong Kong to China rail traffic, New Beacon Hill Tunnel ... Nov 56
Hong Kong tunnel, Double decker plan for ... Sep 48
Hong Kong's new Aberdeen tunnel, Ventilating ... Dec 52
Horizontal freezing cools Helsinki metro drive ... Sept 32
Hydraulic jumbos prove themselves on first stage of Paute project ... May 22
Hydraulics the key to roadheader success ... Mar 69
Immersed tube tunnel may be built in Norway, First suspended ... Sep 38
Immersed tubes, World list of ... Sep 17
India's Giri-Bata Tunnel, Overcoming squeezing pressures in ... Apr 11
Indian tunnellers, Himalayan hydroelectric scheme challenges ... Jan 48
Indian tunnelling technique, Sandbags counter squeezing pressures in novel ... Jun 35
Irish sewer problem, Mini Tunnel solves ... Jan 56
Italian motorway boasts 29km of tunnels in 18km of dual highway ... Mar 38
Jacking walls, Three-dimensional passive analysis for ... Mar 13
Japan: a new sun rises upon the underground horizon ... Mar 20
Japan, Introducing the Tele-Mole, an innovation from ... Mar 26
Japan, Sewer boring at Sagami ... May 40
Japanese contractor forges ahead ... Nov 34
Japanese slurry tunnellers beat adverse conditions—above and below ... Apr 40
Japanese TBM drives French sewer tunnel ... Sep 27
Japanese tray-lift conveyor gives muck a swift rise ... May 48
Jets aid TBMs, High pressure water ... Jan 21
Kielder water tunnels, Concrete lining of the ... Nov 21
King's Cross passenger interchange (BTS) ... Mar 57
Kuriyama traffic problems, 'Sliding Armour' shield solves ... Jun 44
Laser beam deflector sends tunnel round the bend, Precision ... May 45
Laser line-up beams tunnels on course ... Oct 60
Lewes by-pass, Cuilfail Tunnel completes ... Jan 69
Lewes Road Tunnel (BTS) ... Jun 65
Lining of the Kielder water tunnels, Concrete ... Nov 21
Lining reduces cost of hydroelectric scheme pressure tunnels, Pvc + polypropylene ... Jul 29
Loaders, Update for articulated wheel ... Mar 49
London rail tunnel proposed, Major cross ... Jan 10
Low cost road tunnels, Norway drives for ... Oct 35
Low cover challenge met by German tunnellers ... Jan 32
Low profile trucks keep underground costs down ... Jul 21
Magnadet for safe and simple tunnel blasting ... Mar 45
Maintenance and repair of underground structures (ITA) ... Jan 61
Malawi—Driving a 9m diameter power conduit with low cover at Nkula Falls ... Jul 23
Mass transit railway tunnels, Hong Kong ... Jan 63
Mechanical splices improve safety ... Jul 53
Megget water tunnel, Construction of the ... Apr 63
Mini-excavator, British made ... Jul 46
Mini Tunnel solves Irish sewer problem ... Jan 56
Money's there—ask for it now, The ... Oct 14
Muck a swift rise, Japanese tray-lift conveyor gives ... May 48
Munich Metro construction, One minute pile driver speeds ... Jan 42
NATM into perspective, Putting the ... Nov 13
NATM, Oriental support for grouting and the ... Dec 17
Nice work (ITA) ... Jul 51
Nkula Falls, Malawi—Driving a 9m diameter power conduit with low cover at ... Jul 23
Norway drives for low cost road tunnels ... Oct 35
Nuclear wastes, Caves for the safe long-term storage of ... Dec 13
Oriental support for grouting and the NATM ... Dec 17
Oslo rail tunnel turns to freezing to save historic buildings ... Jun 26
Oxford trunk outfall foul sewer (BTS) ... Mar 57
Paute project, Hydraulic jumbos prove themselves on first stage of ... May 22
Pipe jack whilst trains keep running ... Sep 38
Pressure to solve Sidcup's floodwater problem, Putting on the ... Apr 46
Rail tunnel proposed, Major cross London ... Jan 10
Re-lining of Falkirk High Tunnel, Scotland, Partial ... Dec 37
Repair of underground structures, Maintenance and (ITA) ... Jan 61
RETC: San Francisco venue for major US tunnelling conference ... Apr 16
River tunnel, Forepoling technique saves ... Dec 52
Roadheader success, Hydraulics the key to ... Mar 69
Roadheader, UK gets medium duty ... Jun 66
Roadheaders, A strata strength index for boom type ... Mar 52
Roadheaders and TBMs, Ventilation cassette for ... Dec 53
Rock bolt cartridge for anchors, Cementitious ... May 65
Rock mechanics—from research to application ... Oct 16
Rock splitting time, Australian machine cuts ... Mar 58
Roundhill to Gigmill Tunnel (BTS) ... Jul 56
Safety, mechanical splices improve ... Jul 53
Safety through the St Gotthard Tunnel ... Jan 38
Sagami Japan, Sewer boring at ... May 40
San Francisco venue for major US tunnelling conference (RETC) ... Apr 16
Selby, Drifts and shafts at ... Sep 42
Sewer boring at Sagami, Japan ... May 40
Sewer improvements, Smith St (BTS) ... Mar 57
Sewer, Oxford trunk outfall foul (BTS) ... Mar 57
Sewer tunnel, Japanese TBM drives French ... Sep 27
Sewerage '81 ... Sep 65
Shaft sinking at Dinorwic (BTS) ... May 54
Shield is a success in Tokyo, Giant size slurry ... Jan 13
Shield solves Kuriyama traffic problems, 'Sliding Armour' ... Jun 44
Siberian railway, Tunnels form vital link in 3145km ... Apr 59
Sidcup's floodwater problem, Putting on the pressure to solve ... Apr 46
Slurry shield is a success in Tokyo, Giant size ... Jan 13
Smith Street sewer improvements (BTS) ... Mar 57
Soil mechanics, Stockholm studies ... Sep 65

Spiral tunnel gives new twist to quarrying ... Dec
Squeezing pressures in India's Giri-Bata Tunnel. Overcoming ... Apr 11
Squeezing pressures in novel Indian tunnelling technique. Sandbags counter ... Jun 35
St Andrews Outfall Sewers—Stage 2 ... Jul 57
St Gotthard Tunnel. Safety through the ... Jan 38
Stockholm studies soil mechanics ... Sep 65
Storage caverns in weak rock. Vertical pattern for petroleum ... Jun 11
Storage of nuclear wastes. Caves for the safe long-term ... Dec 13
Strata strength index for boom type roadheaders. A ... Mar 52
STUVA report investigates leaks in metro waterproofing systems ... May 52
Suspended immersed tube tunnel may be built in Norway. First ... Sep 38
Swiss tunnel construction. Ground freezing aids ... Apr 52
Switzerland. Construction of road tunnels in ... Dec 26
TBM drives French sewer tunnel. Japanese ... Sep 27
TBMs. High pressure water jets aid ... Jan 21
TBMs stay down the mine ... Jun 67
TBMs. Variable size head for ... Jan 43
Tele-Mole. an innovation from Japan. Introducing the ... Mar 26
Three-dimensional passive analysis for jacking walls ... Mar 13
Tokyo. Giant size slurry shield is a success in ... Jan 13
Tokyo Metro—An expanding success story ... Jul 44
Tray-lift conveyor gives muck a swift rise. Japanese ... May 48
Trucks keep Swiss tunnel on schedule. British ... Jan 35
Trucks keep underground costs down. Low profile ... Jul 21
Tunnel jacking. 'Earthworm' system will threaten conventional ... Apr 29
Tunnelbau '81. Dusseldorf plays host to mining show and ... Jun 56
Undersea unlined road tunnel. Norwegian style. Vardø Tunnel—An ... Dec 20
Unitunnel in action. The ... May 29
Unlined oil caverns. Construction and economics of ... Oct 27
US tunnel contractor's maintenance costs. Electronic controls cut ... Nov 59
US tunnelling conference. San Francisco venue for (RETC) ... Apr 16
Vardø Tunnel—An undersea unlined road tunnel. Norwegian style ... Dec 20
Ventilating Hong Kong's new Aberdeen Tunnel ... Dec 52
Ventilation cassette for roadheaders and TBMs ... Dec 53
Ventilation system saves energy in vehicular tunnels. Cascade ... Oct 53
Water tunnels. Concrete lining of the Kielder ... Nov 21
Water tunnels. Ground control techniques compared in three Brazilian ... Part 1 Oct 11
Part 2 Nov 52
Part 3 Dec 48
Waterproofing systems. STUVA report investigates leaks in metro ... May 52
Weak rock. Vertical pattern for petroleum storage caverns in ... Jun 11
What you told us about 'Tunnels & Tunnelling' ... Jan 47
World list of immersed tubes ... Sep 17

OPINION

Look out for the weakest link!	(Comment)	Jan 5
Blind headings in the sand?	(Comment)	Mar 5
Genius of the earthworm	(Comment)	Apr 5
Chips down below!	(Comment)	May 5
So small a price	(Drifter)	May 33
Vain reminders	(Comment)	Jun 5
Not everyone can afford a Rolls-Royce!	(Comment)	Jul 5
King Coal	(Comment)	Sep 5
UPH. CAES & KRESS—let's have more of them!	(Comment)	Oct 5
Disposal in depth	(Comment)	Nov 5
Eclipsed by the rising sun?	(Drifter)	Nov 46
Tunnelling under the sea	(Comment)	Dec 5

INDEX OF AUTHORS

Aerni. Ing K ... Apr 52
Akesson. Prof B A ... Dec 13
Aleman. V P ... Mar 52
Almond. K ... May 54
Alocco. Ing V ... Jul 23
Balasubramaniam. Prof A S ... Dec 17
Baumann. Ing L ... Jan 21
Bergman. S G A ... Dec 13
Bradbury. H W ... Mar 60
Brown. Prof E T ... Nov 13
Bruce. P ... Sep 48
Bubb. Ing C ... Apr 20. Jun 15. Jul 35. Sep 61
Calminder. Å ... Jun 11
Campbell. J G ... Jan 63
Chauhan. R L ... Jun 35
Culverwell. D R ... Sep 17
Dahl. K ... May 12
Davidson. R ... Jul 57
Dube. Dr A K ... Apr 11
Eisenstein. Z ... Oct 11. Nov 52. Dec 48
Eronen. T ... Sep 32
Goodall. P ... Mar 60
Green. C ... Jul 57
Harding. P G ... Jan 32. 56. Mar 20. 26. Apr 40. May 40. 48. Jun 33. 44. 67. Jul 44. Sep 27. Nov 34
Haswell. C K ... Jan 63
Hencke. Dr J ... Jan 21
Howard. A J ... Jul 13
Isaac. I D ... Apr 20. Jun 15. Jul 35. Sep 61
Jayaram. K S ... Jan 48
Jennion. R F J ... Jul 56
Johansson. S ... Oct 27
Josang. T ... Jun 26
Katoch. S C ... Jun 35
Lawrenson D ... Apr 63
Leeney. J ... Jul 51
Legge. F ... Jul 23. Oct 16
Levy. Dr F L ... Oct 53
Marshall. Dr P M ... May 45
Martin. D V ... Jan 35. Mar 38. 49. Apr 46. Jul 21. Sep 38. 42. Oct 35. Dec 20
Masterton. G G T ... Nov 21
Mettier. Ing K ... Apr 52
Negro Jr. A ... Oct 11. Nov 52. Dec 48
Parker. I ... Jul 56
Peissard. W G ... Jan 38
Renshaw. A ... Jan 10. Oct 60
Richardson. M ... Apr 29. May 29
Rivera. Ing S H ... Oct 44
Robinson. R ... May 54
Ruckstuhl. F ... Dec 26
Sagefors. K I ... Dec 13
Scott. J ... Jul 55
Scott. K R ... Dec 37
Scruby. J ... Apr 29. May 29
Singh. Dr B ... Apr 11. Jun 35
Smith. P ... Jul 55
Vuorela. M ... Sep 32
Washbourne. J ... Mar 13
Watanabe. T ... Jan 13
Yamazaki. H ... Jan 13
Young. A ... Apr 63

☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆

The Publisher, Editor and staff
wish all our readers, contributors and advertisers
all over the world
a very happy Christmas and prosperous New Year

☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆

TUNNELS & TUNNELLING MEDIA PACK NOW AVAILABLE FREE OF CHARGE

The story behind the monthly journal that serves the international tunnelling industry.

Phone or telex:-
BOB HANDLEY
or
CHRIS BANES
now

01-855 7777
telex: 896238

and a pack will be sent immediately.